

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	121	(381/351).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 13:36
S1	7	(381/150,86,93,351,96).ccls. and (expos\$3 near3 speak\$2)	USPAT; EPO; JPO	OR	OFF	2004/07/12 14:36
S2	2	(381/150,86,93,351,96).ccls. and (speak\$2 near2 open\$3 near2 outside)	USPAT; EPO; JPO	OR	OFF	2004/07/12 14:42
S3	21	(381/150,86,93,351,96).ccls. and (speak\$2 near2 outside)	USPAT; EPO; JPO	OR	OFF	2004/07/12 14:42
S4	17	"4714133".URPN.	USPAT	OR	OFF	2004/07/12 14:54
S5	833	("381"/\$).ccls. and (baffle)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/12 15:13
S6	442	("381"/\$).ccls. and (baffle) and radiat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/12 15:13
S7	245	("381"/\$).ccls. and (baffle) same radiat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/12 15:13
S8	7	("381"/\$).ccls. and (sub-baffle)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/12 15:13
S9	257	(381/96).CCLS.	USPAT; USOCR; EPO; JPO	OR	OFF	2004/07/11 16:43
S10	126	speak\$2 same (radiat\$2) same (baffle)	USPAT; EPO; JPO	OR	OFF	2004/01/07 10:52
S11	7	("3866712"   "4042778"   "4356882"   "5732140"   "5883966"   "6035035"   "6192253").PN.	USPAT	OR	OFF	2003/10/10 14:22
S12	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	USPAT	OR	OFF	2003/10/10 14:25
S13	28	funahashi.in. and speaker	USPAT; EPO; JPO	OR	OFF	2004/07/11 15:46
S14	5	funahashi.in. and (speaker same baffle same radiat\$2)	USPAT; EPO; JPO	OR	OFF	2004/07/11 15:46
S15	3	kurihara.in. and (speaker same baffle same radiat\$2)	USPAT; EPO; JPO	OR	OFF	2003/10/10 14:47
S16	0	kurihara.in. and (speaker same baffle same radiat\$2) same micropho\$2 same amplif\$3	USPAT; EPO; JPO	OR	OFF	2003/10/10 14:47

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S17	0	kurihara.in. and (speaker same baffle same radiat\$2) same micropho\$2	USPAT; EPO; JPO	OR	OFF	2003/10/10 14:47
S18	1	speak\$2 same (radiat\$2) same (baffle) same microph\$3 same amplif\$3	USPAT; EPO; JPO	OR	OFF	2003/10/10 15:01
S19	1	"6122385".PN.	USPAT	OR	OFF	2003/10/10 14:48
S20	23	speak\$2 same (radiat\$2) same (baffle near3 open\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/10 14:58
S21	3	speak\$2 same (radiat\$2) same (baffle) same amplif\$3	USPAT; EPO; JPO	OR	OFF	2003/10/10 15:02
S22	321	acoust\$2 near2 reproduc\$3 near2 devi\$2	USPAT; EPO; JPO	OR	OFF	2003/10/10 15:02
S23	0	(acoust\$2 near2 reproduc\$3 near2 devi\$2) same baffle	USPAT; EPO; JPO	OR	OFF	2003/10/10 15:02
S24	1	"6122385".PN.	USPAT	OR	OFF	2003/10/10 15:04
S25	1	"6122385".PN.	USPAT	OR	OFF	2003/10/10 15:05
S26	1	("6031919").PN.	USPAT; USOCR; EPO; JPO	OR	OFF	2003/10/27 10:44
S27	56	"matsushita electric industrial".AS. and (power near2 amplif\$3) same (differen\$5 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/27 10:56
S28	34	"matsushita electric industrial".AS. and (power near2 amplif\$3) near4 (differen\$5 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 08:57
S29	41	"matsushita electric industrial".AS. and (power near2 amplif\$3) same (differential near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 08:59
S30	26	"matsushita electric industrial".AS. and (power near2 amplif\$3) near4 (differential near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 08:58
S31	2	"matsushita electric industrial".AS. and (speaker) same (differential near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 09:00
S32	50	speak\$3 same (power near2 amplif\$3) same (differenti\$2 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 09:20
S33	454	(power near2 amplif\$3) same (input\$3 near2 signa\$2) same (differenti\$2 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 09:21
S34	21	(power near2 amplif\$3) near3 (input\$3 near2 signa\$2) near3 (differenti\$2 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:06

## EAST Search History

S35	42	(power near2 amplif\$3) same (feedback near2 control) same (differenti\$2 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 09:29
S36	8	(port\$2 near2 enclos\$5) same (passive near2 radiat\$2)	USPAT; EPO; JPO	OR	OFF	2003/10/15 11:46
S37	1	olson.in. and (passive near2 radiat\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 11:46
S38	16	(speaker near2 syst\$2) same (differenti\$2 near2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:08
S39	49969	differential adj amplifier	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:08
S40	253	(differential adj amplifier) same speaker	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:10
S41	0	(differential adj amplifier) same (sound near2 feedback near2 contr\$2)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:10
S42	0	(differential adj amplifier) same (sound near2 feedback)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:10
S43	9002	(differential adj amplifier) same (feedback)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:11
S44	757	(differential adj amplifier) same (feedback near2 contr\$2)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:11
S45	37	(differential adj amplifier) same (feedback near2 contr\$2) same (power adj2 amplif\$3)	USPAT; EPO; JPO	OR	OFF	2003/10/15 13:11
S46	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	USPAT	OR	OFF	2003/10/27 10:39
S47	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	USPAT	OR	OFF	2003/10/27 10:41
S48	243	(381/150).CCLS.	USPAT; USOCR; EPO; JPO	OR	OFF	2003/10/27 10:44
S49	3	"6031919".URPN.	USPAT	OR	OFF	2003/10/27 10:54
S50	29	"matsushita electric industrial".AS. and (power near2 amplif\$3) same (speak\$2)	USPAT; EPO; JPO	OR	OFF	2003/10/27 10:56
S51	0	DE-3937090-\$.did.	USPAT; EPO	OR	OFF	2004/01/06 11:24
S52	1	DE-3937090-\$.did.	USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2004/01/06 11:25

## EAST Search History

S53	0	EP-0614326-\$.did.	USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2004/01/06 11:26
S54	2	EP-614326-\$.did.	USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2004/01/06 11:26
S55	2	GB-2226214-\$.did.	USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2004/01/06 11:26
S56	1	GB-2260464-\$.did.	USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2004/01/06 11:27
S57	2	spea\$2 near3 heat near3 fin\$1	USPAT; EPO; JPO	OR	OFF	2004/01/07 10:54
S58	3	spea\$2 near4 heat near3 fin\$1	USPAT; EPO; JPO	OR	OFF	2004/01/07 10:54
S59	4	spea\$2 near4 heat near4 fin\$1	USPAT; EPO; JPO	OR	OFF	2004/01/07 11:10
S60	1	spea\$2 near3 uneven near3 surf\$3	USPAT; EPO; JPO	OR	OFF	2004/01/07 10:56
S61	21	spea\$2 near3 uneven	USPAT; EPO; JPO	OR	OFF	2004/01/07 10:59
S62	2	spea\$2 near3 uneven near4 surf\$3	USPAT; EPO; JPO	OR	OFF	2004/01/07 11:00
S63	0	(passive adj2 radiat\$2) near4 edg3\$1	USPAT; EPO; JPO	OR	OFF	2004/01/07 11:00
S64	6	(passive adj2 radiat\$2) near4 edge\$1	USPAT; EPO; JPO	OR	OFF	2004/01/07 11:00
S65	1	("4625328").PN.	USPAT; USOCR	OR	OFF	2004/01/07 11:10
S66	1	("6031919").PN.	USPAT; USOCR	OR	OFF	2004/07/11 14:42
S67	0	(381/96).ccls. and (auxil\$5 near2 baffle)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:19
S68	0	(381/96).ccls. and (sub near2 baffle)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:16
S69	8	(381/96).ccls. and (passive near2 radiat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:22

## EAST Search History

S70	18	("381"/\$.ccls. and (passive near2 radiat\$4) same baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 17:14
S71	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	USPAT	OR	OFF	2004/07/11 15:25
S72	3	"6031919".URPN.	USPAT	OR	OFF	2004/07/11 15:26
S73	13	("3283848"   "4213515"   "4432580"   "4598789"   "5110403"   "5416284"   "5588065"   "5621804"   "5721401"   "5760349"   "5975236"   "6031919"   "6203766").PN.	USPAT	OR	OFF	2004/07/11 15:27
S74	3	("381"/\$.ccls. and auxil\$5 near2 baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:35
S75	9	("381"/\$.ccls. and sub near2 baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:35
S76	6	("2491674"   "3740056"   "4917212"   "5298693"   "5769787"   "5848173").PN.	USPAT	OR	OFF	2004/07/11 15:43
S77	5	funahashi.in. and (speaker same baffle same radiat\$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:47
S78	11	"matsushita".AS. and (speaker same baffle same radiat\$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 15:47
S79	1294	(381/150,86,93,351).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/07/11 17:07
S80	40	(381/150,86,93,351).ccls. and baffle and radiat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 16:45
S81	0	(381/150,86,93,351,96).ccls. and (expos\$3 near2 plate near3 speak\$2)	USPAT; EPO; JPO	OR	OFF	2005/11/10 11:38
S82	32	(381/150,86,93,351,96).ccls. and (plate near3 speak\$2)	USPAT; EPO; JPO	OR	OFF	2004/07/12 14:36
S83	44	("381"/\$.ccls. and (passive near2 radiat\$4)and baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/11 17:14
S84	44	("381"/\$.ccls. and (passive near2 radiat\$4) and baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/12 15:12

## EAST Search History

S87	1	("6031919").PN.	USPAT	OR	OFF	2005/01/08 12:18
S88	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/08 13:10
S89	1	("6259798").PN.	USPAT	OR	OFF	2005/01/08 13:23
S90	0	("(expos\$3adj2plateadj2speaker)".PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/01/08 13:24
S91	1	(expos\$3 adj2 plate adj2 speaker)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/01/08 13:52
S92	31	(expos\$3 with plate with speaker)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 10:23
S93	3	("6031919").URPN.	USPAT	OR	OFF	2005/11/10 10:51
S94	5	(381/150,86,93,351,96).ccls. and (passive adj2 radiator) same baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/12 12:52
S95	22	("381"/\$6).ccls. and (passive adj2 radiator) same baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 11:50
S96	23	("381"/\$).ccls. and (passive adj2 radiator) same baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 13:38
S97	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/10 11:53
S98	7	("3818138"   "3945461"   "4753317"   "4756382"   "4905788"   "5073945"   "5082084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/10 12:04
S99	19	("181"/\$).ccls. and (passive adj2 radiator) same baffle	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 13:36
S100	5	("181"/\$).ccls. and (passive adj2 radiator) same baffle same (opposite or reverse)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 15:03
S101	23	("381"/\$).ccls. and (reinforcement with rib)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 13:40
S102	0	("381"/\$).ccls. and (baffle with reinforcement with rib)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:37
S103	12	("381"/\$).ccls. and (baffle with rib)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/10 13:40

## EAST Search History

S10 4	18	(passive adj2 radiator) with baffle with \$4speak\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/12 13:09
S10 5	0	(passive adj2 radiator) with baffle with \$4speak\$2	USOCR; IBM_TDB	OR	OFF	2005/11/12 13:09
S10 6	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/12 13:28
S10 7	637	(381/150,151).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:34
S10 8	508	(381/150,337).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:48
S10 9	4	("381"/\$).ccls. and (baffle with reinforcement)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:37
S11 0	1312	(381/332,335,345,349).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:49
S11 1	776	(181/144,145,147,155).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:49
S11 2	30	S111 and (passive adj2 radiator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/08 11:49
S11 3	6	("4074070"   "4165445"   "4924963"   "4944018"   "5092424"   "5825901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:36